



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

AUG 16 2005

DOT-E 14193
(FIRST REVISION)

EXPIRATION DATE: July 31, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Honeywell, Inc.
Morristown, NJ
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of eleven non-DOT specification IMO Type 5 portable tanks, each mounted in an ISO frame, containing certain Division 2.2 and 2.3 compressed gases. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101, Hazardous Materials Table, Column 7, Special Provision B9 in that no bottom outlets are permitted, except as provided herein.
5. BASIS: This exemption is based on the applications of Eurotainer U.S., Inc., on behalf of Honeywell, Inc., dated May 11, 2005, and June 27, 2005 submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B or Zone C (Trifluorochloroethylene, uninhibited)</i>	2.3	UN3160	N/A
1,1,1,2-Tetrafluoroethane, or Refrigerant gas R 134a	2.2	UN3159	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Packagings authorized are eleven non-DOT specification portable tanks, each mounted in an ISO Type 1C frame and in accordance with the following specifications:

Tank Number	Water Capacity US Gallons	Design pressure PSIG
ETNU 581000-8	4755	399
ETNU 581005-5	4755	399
ETNU 581010-0	4755	399
ETNU 581011-6	4755	399
ETNU 581015-8	4755	399
ETNU 581017-9	4755	399
ETNU 581018-4	4755	399
CCRU 537248-9	4451	399
CCRU 537252-9	4451	399
CCRU 537262-1	4451	399
SECS 220022-4	4467	285

- (1) These pressure relief devices are required:
Two (2) - 2 inch diameter, or one (1) - 3 inch diameter, spring loaded safety relief valves set to discharge at a pressure between 270 psig and 399 psig, not to exceed tank design pressure. Each tank must have a minimum total relief device capacity of 1,224,000 SCFH. Each pressure relief device must be marked with a start-to-discharge pressure in psig and a rated relief device capacity in SCFH.

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(2) Insulation - Division 2.3 materials must be transported in portable tanks that conform with § 172.102 Special Provision B14 and the insulation must be protected by stainless steel cladding. Portable tanks containing Division 2.2 materials may be uninsulated. A sun shield is optional.

(3) Bottom outlets are permitted.

b. TESTING -

(1) Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

(2) Minimum test pressure is one and one-half times the design pressure.

(3) Each tank must be pressure tested at least once every 5 years at one and one-half times the design pressure as specified for DOT 51 portable tanks in § 180.605(c).

(4) Each tank must be visually inspected at least once in every 2 1/2 years as specified for DOT 51 portable tanks in § 180.605(c).

c. OPERATIONAL CONTROLS -

(1) The tank must be filled so as not to be liquid full at 130°F.

(2) Each tank must be visually inspected prior to each trip to ensure that it has not been damaged on the previous trip.

(3) No product may be shipped that has venting requirements exceeding 1,224,000 SCFH. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) Pamphlet S-1.2.

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8. SPECIAL PROVISIONS:

- a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- c. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-E 14193."
- d. Transportation of Division 2.3 materials (gases which are poisonous by inhalation) are not authorized aboard cargo vessel unless specifically authorized in the Hazardous Materials Table (§ 172.101).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.10. MODAL REQUIREMENTS:

- a. A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.
- b. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

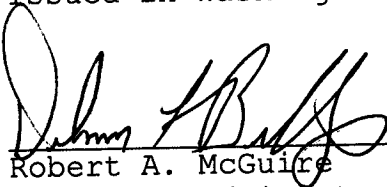
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any incident involving a package, shipment or operation conducted under terms of this exemption.

Issued in Washington, D.C.:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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DATE

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, D.C. 20590. Attention: PHH-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: AM